

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,443,989 B2  
APPLICATION NO. : 10/757994  
DATED : October 28, 2008  
INVENTOR(S) : Chang-kyu Choi et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First Page, Column 2 (Other Publications), Line 8, before "Noise" change "Adptive" to --Adaptive--.

Column 10, Line 60, after "pure" insert --noise--.

Column 10, Line 63, after "filtering" change "a" to --the--.

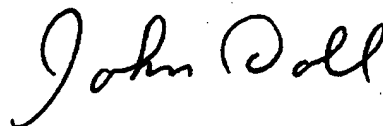
Column 11, Line 10, after "filtering" change "a" to --the--.

Column 11, Line 63, after "filters" change "a" to --the--.

Column 12, Line 12, after "filters" change "a" to --the--.

Signed and Sealed this

Tenth Day of February, 2009



JOHN DOLL  
*Acting Director of the United States Patent and Trademark Office*